

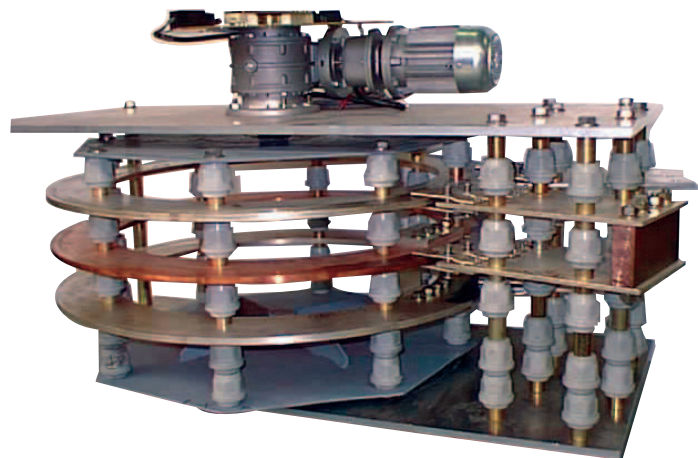


Rotating Current Transfert Unit

SLIP RINGS Range 1000 A to 60 kA

Single Phase or Multi Phases

- Low and constant voltage drop
- Large insulation and creepage distances
- Easy connections to:
 - Aluminium or Copper busbars
- Large customization possible with:
 - Actuators (motor, pneumatic, manual)
 - Auxiliaries (limit switches, locks, control boxes)
 - Dimensions fitting (abaptation with the connecting terminals).



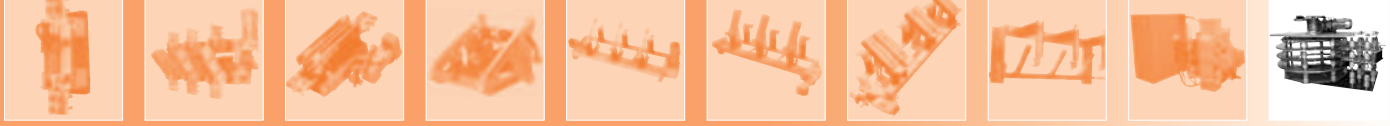
Main technical characteristics

Electrical Data

- Temperature rise at nominal current (with 40°C max. above ambient temperature) less than : 65°C
- Typical temperature rise at nominal current (with 40°C max. ambient temperature) : 5°C above busbars
- Voltage drop at contact point less than : 10 mV
- Peak short-circuit current withstand (upon circuit configuration) : 20 x (Nominal current)

Mechanical Data

- Mechanical endurance prior to maintenance (with respect to preventive maintenance instructions) : 500 000 meters at contact
- Typical Linear Rotation Speed at contact point up to (no higher speed has been yet tested) : 14 m/min.
- Self-alignment and compensation of dimensional tolerances between fixed parts and rotating parts up to : +/- 5 mm
- Ponctual temperature withstand without equipment damages : 140° C



Main technical characteristics

Technology

- Contact point within a silver-based plated slip ring and a silver alloy rivet
- Mechanically independant pairs of contact fingers
- Capability (upon request) of absorbing regular rotation of +/- 5° without any wear and maintenance
- Insulation with Fiberglass reinforced polyester insulators
- Carefully studied shape of contact fingers for self-alignment, compensation of tolerances and electrodynamic withstand
- All stainless steel construction

With its engineering capability in Provins (France), in Mannheim (Germany), and its testing platform in Saint-Bonnet-de-Mure (France), FERRAZ has it all for defining and offering customized solutions to meet your most specific requirements :. Adapted technical performances (short-circuit current capability, endurance ...)